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A New Contact Machine with Stored Energy

135-10-2/19

the processes connected with the movements of the core. The conclusions are made that the system stores and gives into the welding circuit 1.5 tp 2 as much energy as a transformer with a stable core (at equal mass of material used for building the transformers). It enables control of the welding current impulse shape and the speed of energy increase which is converted into welding heat between the electrodes. It decreases considerably the arc formation on the contacts being led apart, and results in better uniformity of quality of the welding spots, which eliminates a serious drawback of existing machines which store energy in the magnetic field alone.
There are 5 diagrams and 4 references, all of which are Russian

ASSOCIATION: MVTU imeni Bauman. (Moskovskoye vysshoye tekhnicheskoye uchilishche im Baumana).

AVAILABLE: Library of Congress

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, I.A., inzh.

Calculating the deflection of a welding arc in a permanent, transverse, magnetic field. Svar. proizv. no.7:8-10 Jl '63. (MIRA 17:2)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 29930-65 EWP(k)/EWT(m)/EWP(b)/T/EWP(v)/EWP(t) Pf-4 IJP(c) JD/HM
ACCESSION NR: AP5002886 S /0135/65/000/001/0017/0019

AUTHOR: Bachelis, I. A. (Engineer)

TITLE: Magnetic control of the welding arc

SOURCE: Svarochnoye proizvodstvo, no. 1, 1965, 17-19

TOPIC TAGS: welding, arc welding, magnetic arc control, split arc welding, aluminum alloy

ABSTRACT: It was found earlier (see, e.g., G. B. Serdyuk, A. N. Korniyenko, Avtomaticheskaya svarka, 1963, no. 10) that the application of a transverse magnetic field during the arc welding of aluminum alloys leads to a "deconcentration" of the heating spot resulting in a widening of the welding domain. The present article describes the effects created in the basic metal by a magnetically deconcentrated arc maintained in argon between a tungsten electrode and a stainless steel plate. Tests show that such an arc may be viewed as a "split" heat source consisting of two independent continuous sources. The form of the welding smelt is fixed basically by the mutual orientation of these two sources. The expression $H_{cr} = C_1 I/l_0$ characterizes the reaction of the arc to the transverse magnetic field.

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ACCESSION NR: AP5002886

2

Here H_{cr} is the strength of the constant magnetic field acting on the arc, C_1 is a dimensionless content depending on the nature of the arc (in argon $C_1 \sim 1.4$-2.0) and I is the current. (The quantity l_0 is not explained.) "Eng. I.D. Vedeneyev and Technician A. S. Moiseyenko participated in the experimental part of the investigation." Orig. art. has: 5 formulas and 4 figures.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 003 OTHER: 000

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 00741-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACCESSION NR: AP5021987 UR/0286/65/000/014/0061/0061
621.791.75
621.3.013

33
B

AUTHOR: Bachelis, I. A.; Vedeneyev, I. D.; Moiseyenko, A. S.

TITLE: A method for magnetic control of an electric arc. Class 21, No. 172932

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 61

TOPIC TAGS: arc welding, welding equipment, metal heat treatment, metal melting, alternating magnetic field, electric arc

ABSTRACT: This Author's Certificate introduces a method for magnetic control of an electric arc, e. g. during welding, melting and heat treatment of metals. The arc is dispersed by a transverse alternating magnetic field. Operational conditions are improved and efficiency is increased by moving the dispersed arc on the surface of the workpiece without moving the electrode. This is done by using a controlling magnetic field directed at right angles to the alternating magnetic field.

ASSOCIATION: none

SUBMITTED: 04May62 ENCL: 00 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R.D.

Difference operators with constant coefficients. Izv. AN SSSR Ser.mat. 19 no.1:69-80 Ja-F '55. (MLRA 8:2)
(Operators (Mathematics)) (Difference equations)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R. D.

BACHELIS, R. D.: "On analytic solutions of differential equations in third-order partial derivatives." Moscow State U imeni M. V. Lomonosov. Moscow, 1956 (DISSERTATION For the Degree of Candidate in PHYSICOMATHEMATICAL SCIENCES.)

So: Knizhnaya letopis', No. 24 1956

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R.D.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/4 PG - 849
AUTHOR BAČELIS R.D.
TITLE On analytic solutions of partial differential equations of third order.
PERIODICAL Doklady Akad.Nauk 112, 567-570 (1957)
reviewed 6/1957

The author applies the method of Günter (Mat.Sbornik,n.Ser. 32, (1925)) in order to determine a solution of the differential equation

$$(1)\quad \Phi\left(x_1, x_2, x_3, \frac{\partial^{s_1+s_2+s_3} v}{\partial x_1^{s_1} \partial x_2^{s_2} \partial x_3^{s_3}}\right) = 0 \qquad (s_1 \geqslant 0,\ s_2 \geqslant 0,\ s_3 \geqslant 0,\ s_1+s_2+s_3 \leqslant 3)$$

$$(2)\quad v\big|_{x_1=0} = 0, \qquad v\big|_{x_2=0} = 0, \qquad v\big|_{x_3=0} = 0,$$

which is analytic in a certain neighborhood of the coordinate origin. The application of this method leads to the difference equation

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$$(3)\quad \sum_{r_1,r_2,r_3 \geqslant 0}^{r_1+r_2+r_3=3} \alpha_{r_1 r_2 r_3}\, f(l_1+r_1-1,\ l_2+r_2-1,\ l_3+r_3-1) = \psi(l_1,l_2,l_3)$$

$$(l_1>0,\ l_2>0,\ l_3>0,\ l_1+l_2+l_3 = n)$$

with the condition

$$(4)\qquad f(l_1,l_2,l_3) = 0 \qquad (l_1 l_2 l_3 = 0).$$

Here

$$\left(\frac{\partial^{l_1+l_2+l_3} v}{\partial x_1^{l_1}\partial x_2^{l_2}\partial x_3^{l_3}}\right)_{(0)} = f(l_1,l_2,l_3) \qquad \left(\frac{\partial \phi}{\partial \dfrac{\partial^3 v}{\partial x_1^{r_1}\partial x_2^{r_2}\partial x_3^{r_3}}}\right)_{(0)} = \alpha_{r_1 r_2 r_3}.$$

Now there arises the question whether the obtained difference equation has a solution. An answer is given by the following theorem:

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Let $\sum_{r_1,r_2,r_3 \geq 0}^{r_1+r_2+r_3=3} \alpha_{r_1 r_2 r_3} x_1^{r_1} x_2^{r_2} x_3^{r_3} = P(x_1,x_2,x_3)$. If $|x_1| = |x_2| = |x_3| = 1$, then let $P \neq 0$. If x_2 and x_3 are fixed and if $|x_2| = |x_3| = 1$, then there exists a single value $x_1 = x_1(x_2,x_3)$ for which $P(x_1,x_2,x_3) = 0$ and $\frac{\partial P}{\partial x_1} \neq 0$, $|x_1| < 1$. Likewise the values $x_2 = x_2(x_1,x_3)$ and $x_3 = x_3(x_1,x_2)$ are introduced. Let the system of integral equations

$$\varphi_{12}\left(\frac{x_1}{x_2}\right) + \oint_{|x_2^{(0)}|=1} \oint_{|x_3^{(0)}|=1} \varphi_{13}\left(\frac{x_1^{(0)}}{x_3^{(0)}}\right) \frac{\frac{x_1}{x_2} x_2(x_3^{(0)},x_1^{(0)})}{x_1^{(0)} - \frac{x_1}{x_2} x_2(x_3^{(0)},x_1^{(0)})} \frac{i x_1^{(0)} dx_2^{(0)}}{x_1^{(0)} x_3^{(0)}} = 0$$

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

$$\varphi_{13}\left(\frac{x_1}{x_3}\right) + \oint_{|x_1^{(0)}|=1} \oint_{|x_2^{(0)}|=1} \varphi_{12}\left(\frac{x_1^{(0)}}{x_2^{(0)}}\right) \frac{\frac{x_1}{x_3}\, x_3(x_1^{(0)}, x_2^{(0)})}{x_1^{(0)} - \frac{x_1}{x_3}\, x_3(x_1^{(0)}, x_2^{(0)})} \frac{dx_1^{(0)}\, dx_2^{(0)}}{x_1^{(0)}\, x_2^{(0)}} = 0$$

and the two systems which arise from these by cyclic change of the indices have only trivial solution. If these assumptions are satisfied then there exists an n_0 depending only on the coefficients of P such that for all $n > n_0$ the equation (3)~(4) has a solution which satisfies the inequation

$$|f(l_1, l_2, l_3)| \leq C \max |\psi(l_1, l_2, l_3)| ,$$

where C does not depend on n.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R. D.

Analytical solutions of differential equations in partial derivatives of the third order. Dokl. AN SSSR 112 no.4:567-570 F '57. (MLRA 10:4)

1. Moskovskiy lesotekhnicheskiy institut. Predstavleno akademikom S.L.Sobolevym.
(Differential equations, Partial)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R.D.; MELAMED, V.G.

Solution of a limiting boundary value problem for an equation derived in solving Stefan's generalized classical problem. Sib. mat. zhur. 5 no.4:738-745 Jl.-Ag'64 (MIRA 17:8)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R.D. (Moskva); MELAMED, V.G. (Moskva)

Numerical integration of a problem concerning the radius of influence of a well. Zhur. vych. mat. i mat. fiz. 4 no.4(suppl.): 123-128 '64.

Solution of the freezing problem allowing for phase transitions in the temperature spectrum. Ibid.:244-251

(MIRA 18:2)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 11974-66 EWT(d)/EWT(1)/T/ETC(m) IJP(c) WW

ACC NR: AP6000019 SOURCE CODE: UR/0208/65/005/006/1124/1129

AUTHORS: Bachelis, R. D. (Moscow); Melamed, V. G. (Moscow)

ORG: none

TITLE: Algorithm for the numerical solution of isothermal network propagation of a flat flame

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 6, 1965, 1124-1129

TOPIC TAGS: flame propagation, mathematic analysis, algorithm, error minimization

ABSTRACT: A brief investigation is made to calculate the algorithm for numerically calculating flat flame propagation and for estimating the magnitude of $\lambda^{(0)} = \sqrt{2k\alpha'}$. For $y = x + \lambda t$, the equation for the concentration of the combustion end-products $U(x,t)$ in a flat isothermal flame is given by

$$\lambda c(U)\frac{dU}{dy} = \frac{d}{dy}\left[k(U)\frac{dU}{dy}\right] + \varphi(U), \quad (1)$$

$$U(-\infty) = 0, \quad (2)$$

$$U(\infty) = 1. \quad (3)$$

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with solutions that are valid in the domain $0 \leqslant U \leqslant 1$, $-\infty < y < +\infty$. It is shown that U(y) is a monotonically increasing function and hence can be used as an independent variable to yield

$$\frac{dv}{ds} = \lambda - \frac{F(u)}{v}, \quad (4)$$

$$v(0) = 0, \quad (5)$$

$$v(1) = 0. \quad (6)$$

$$u(U) = C\int_0^U c(s)\,ds, \qquad v(u) = Ck[U(u)]\,U'(y),$$

$$F(u) = \frac{Ck[U(u)]\,\varphi[U(u)]}{c[U(u)]}, \qquad C = \left(\int_0^1 c(s)\,ds\right)^{-1}$$

A series of lemmas is considered to show that equation (4--6) above has only one solution for v(1) = 0 and that $\lambda \geqslant 0$. Two additional lemmas are given to show the existence of two families of integral curves for equation (4--6). It is then shown that the lower and upper limit of $\lambda(0)$ is given by

$$2\sqrt{F'(0)} \leqslant \lambda(0) \leqslant 2\sqrt{\sup_{(0,1]}(F(u)/u)},$$

if the following condition holds

$$\sup_{(0,1]}(F(u)/u) = F'(0),$$

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ACC NR: AP6000019

Finally, by defining the smallest possible n-value, conditions are derived for determining $\lambda^{(0)}$ with an error not exceeding a given ε. Orig. art. has: 13 equations and 1 figure.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 64760-65 EPA/EPF(c)/EWA(c)/EWT(m)/ETC(m)/EWP(f) WW/JW

ACCESSION NR: AP5021882 UR/0020/65/163/006/1338/1341

AUTHOR: Bachelis, R. D.; Melamed, V. G.

29
B

TITLE: The non-uniqueness of steady-state solutions for systems of combustion-theory equations with sectionally constant reaction rates, thermal conductivities, and diffusivities

SOURCE: AN SSSR. Doklady, v. 163, no. 6, 1965, 1338-1341

TOPIC TAGS: combustion, combustion theory, homogeneous gas combustion

ABSTRACT: An analysis was made of the homogeneous gas combustion described by the system of equations

$$\lambda \frac{du}{dy} = \frac{d}{dy}\left[\alpha(u)\frac{du}{dy}\right] + F(u)C,$$
$$\lambda \frac{dC}{dy} = \frac{d}{dy}\left[\beta(u)\frac{dC}{dy}\right] - F(u)C,$$

under the conditions:

$$u(-\infty) = 0, \quad C(-\infty) = C_0 > 0, \quad C(\infty) = 0,$$

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ACCESSION NR: AP5021882

where $u \geq 0$ is the temperature of the mixture; $C \geq 0$, the concentration of the active substance; λ = const > 0, velocity of flame front propagation; $F(u) \geq 0$, reaction rate constant; and $\alpha(u)$ and $\beta(u)$ are the thermal conductivity and diffusivity, respectively. It had been previously shown that at $\alpha/\beta \geq 1$, a unique solution exists. In the present analysis, it is shown that at $\alpha/\beta < 1$, non-unique solutions are possible assuming that the functions $F(u)$, $\alpha(u)$, and $\beta(u)$ are constant in n regions. For n = 1, the system has no solution, therefore, $n \geq 2$. As an example, F_k, α_k, β_k, and u_k ($k = 0, 1, 2, \ldots, n$) were calculated for two preselected values of λ (1 and 2) in order to satisfy the f solution u(y) and C(y). The results were tabulated. Orig. art. has: 1 table and 10 formulas. [PV]

ASSOCIATION: none

SUBMITTED: 21Jan65 ENCL: 00 SUB CODE: FP

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELIS, R.D.; MELAMED, V.G.

Steady-state solutions to the equation describing diffusion coupled with an increase in the quantity of matter under general assumptions concerning the coefficients and function of the source. Vest. Mosk. un. Ser. 1: Mat., mekh. 21 no.1:43-51 Ja-F '66. (MIRA 19:1)

1. Kafedra merzlotovedeniya Moskovskogo gosudarstvennogo universiteta. Submitted April 23, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 31138-66 EWT(d)/EWT(m)/T IJP(c) WW/JW/JWD/WE

ACC NR: AP6012555 SOURCE CODE: UR/0040/66/030/002/0368/0374

AUTHOR: Bachelis, R. D. (Moscow); Melamed, V. G. (Moscow)

ORG: none

TITLE: Nonuniqueness of the stationary solution of systems of combustion theory equations

SOURCE: Prikladnaya matematika i mekhanika, v. 30, no. 2, 1966, 368-374

TOPIC TAGS: combustion, combustion theory, combustion analysis

ABSTRACT: A mathematical analysis was made to determine whether the system of nonlinear differential equations describing a steady-state combustion process has unique solutions. It was shown that the system of equations:

$$\frac{\partial U}{\partial t} = \frac{\partial}{\partial x}\left[\alpha(U)\frac{\partial U}{\partial x}\right] + F(U)C, \qquad \frac{\partial C}{\partial t} = \frac{\partial}{\partial x}\left[\alpha_1(U)\frac{\partial C}{\partial x}\right] - F(U)C$$

$$F(U) \equiv 0, \quad u \in [0, U_0], \quad F(U) > 0, \quad U > U_0,$$

where U is the temperature of the mixture; $C \geq 0$, concentration of the active substance; F(U)C, reaction rate; $\alpha_1(U) > 0$, thermal conductivity; and $\alpha_1(U) > 0$, diffusion coefficient, in the general case cannot have a unique solution. This finding is in contrast to previous findings by Kanel (Kanel' N. I. O statsionarnykh

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ACC NR: AP6012555

resheniyakh dlya sistemy uravneniy teorii goreniya. Dokl. AN SSSR, 1963, T. 149, no. 2.), who assumed that a unique solution exists. This author obtained a unique solution for the specific case of $\beta(U) = \text{const} > 1$, where $\beta(U) = \alpha(U)/\alpha_1(U)$. Orig. art. has: 18 equations.

[PV]

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHELYUK, I.G.

PHASE I BOOK EXPLOITATION SOV/4754

Tekhnologiya avtomobilestroyeniya, priborostroyeniya i mashinostroyeniya i priborostroyeniya. Ser. 1, Leningrad, 1959

Gruppovaya tekhnologiya v mashinostroyenii i priborostroyenii (Group-Processing Methods in the Machine and Instrument Industries) Moscow, Mashgiz, 1960. 378 p. Errata slip inserted. 7,000 copies printed.

Ed. (Title Page): S.P. Mitrofanov, Lenin Prize Winner, Candidate of Technical Sciences; Ed.: A.S. Amirov, Candidate of Technical Sciences, N.G. Guiman, Engineer, P.V. Lazarev, Candidate of Technical Sciences, A.K. Kutay, Candidate of Technical Sciences, R.A. Pershkov, Engineer, and G.K. Shaginyan, Candidate of Economic Sciences; Manager, Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Yu.P. Yemanov, Engineer; Ed. of Publishing House: M.Z. Simonovskiy; Tech. Ed.: O.F. Sperekheyeva.

PURPOSE: This collection of articles is intended for technical personnel of machine-plants, designing organizations, and scientific-research institutes. It may also be useful to skilled workers.

COVERAGE: The collection comprises the papers presented at [illegible] Conference on Group Processing in the Machine and Instrument Industries, held November 24-28, 1959 in Leningrad. The conference was called by scientific and technical societies of the Machine and Instrument Industry, CNTO NTOM, and Lenzavodkhoz. The articles are based on the experience of industry in introducing the grouping principle in processing. They discuss basic trends in development, and group machining as the basis of mechanized continuous production. The designing of automatic production lines, construction of accessories, and modernization and specialization of equipment are discussed. Problems dealing with the introduction of group-machine methods into processing on various machine tools and into production of blanks (casting, pressworking, pressing of plastics) are considered. Planning, standardization, and methods for calculating the economic effectiveness of group processing are also treated. No personalities are mentioned. There are no references.

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PART II. MECHANICAL MACHINING AND ASSEMBLY PROCESSES

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

LAZAR, Dezso, dr.; BACHER, Mihaly, dr.

Late results of suturing perforated gastric and duodenal ulcers. (A follow-up study of 100 patients). Orv.hetil. 102 no.24:1124-1125 11 Je '61.

1. Nagykanizsa Varosi Tanacs Korhaza, Sebeszeti Osztaly.

(PEPTIC ULCER PERFORMATION surg)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 28369-66 EPF(n)-2/EWT(m)/ETC(f)/EWG(m)

ACC NR: AP5026449 SOURCE CODE: UR/0089/65/019/004/0389/0390

32
B

AUTHOR: Bacherikov, I. P.

ORG: None

TITLE: Xenon oscillations in reactors 19

SOURCE: Atomnaya energiya, v. 19, no. 4, 1965, 389-390

TOPIC TAGS: nuclear reactor, nuclear fuel, xenon, neutron distribution

ABSTRACT: Transient changes in power distribution or in the neutron distribution field are associated with periodic redistribution of $[Xe^{135}]$-poisons formed in the fuel burnup process. The author presented a theoretical evaluation of irregular local deviations caused by xenon oscillations in the spatial distribution of neutrons. Denoting the initial stationary neutron distribution by $\Phi_1(r)$, the beginning transient stage distribution by $\Phi_2(r)$ and the new stable distribution by $\Phi_3(r)$, the author defined the equations for the deviation function C(r, t) and the transient neutron distribution $\Phi(r, t)$. By using series expansions and appropriate approximations the spatial harmonics were formulated and an example of calculation of the first harmonic deviation for a flat reac-

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ACC NR: AP5026449

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tor was presented. The expression $\sqrt{\frac{2}{H}}\sin\frac{2\pi z}{H}$ was used for calculating the first harmonic deviation for a layer thickness H = 25 cm. The calculated data on the relative non-uniform distribution of neutrons were plotted in a graph for various layers and deviations. Org. art. has: 1 graph.

SUB CODE: 18,20 SUBM DATE: 230ct64 / ORIG REF: 001 / OTH REF: 001

Card 2/2 CV

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

ACC NR: AP6017277 (A) SOURCE CODE: UR/0330/66/000/001/0039/0041

AUTHOR: Naydenova, L. P. (Sr. research associate); Bacherikova, L. V. (Sr. research associate)

ORG: All-Union Scientific Research Institute of the Canning and Dehydrated Vegetable Industry (Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti).

TITLE: New disinfectants for the canning industry

SOURCE: Konservnaya i ovoshchesushil'naya promyshlennost', no. 1, 1966, 39-41

TOPIC TAGS: bactericide, food technology, food sanitation, chemical decontamination material, chemical compound

ABSTRACT: The possible use of tetramon ACl-MKI (alkylpyridinium chloride) and dichlordimethylhydantoin for the disinfection of canning equipment was tested on Bac. aerothermophilus, Bac. mesentericus, and Bac. sporogenes. The experimental results show that 1) tetramon solutions of 1% concentration at 70 C kill spores of Bac. aerothermophilus within 5 min. and spores of Bac. mesentericus and Bac. sporogenes within 10 min. after contact, 2) dichlordimethylhydantoin solutions of 0.5% concentration at 40 C kill the spores of the bacteria within 10 min., and 3) tetramon and

UDC: 664.8

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ACC NR: AP6017277

dichlordimethylhydantoin are more effective disinfectants than caustic soda. Manufacture of the new disinfectants on a commercial scale begin by the end of 1965 or beginning of 1966. Orig. art. has: 1 table.

SUB CODE: 06,07/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHERIKOV, N.Ya.

Morphological changes in infectious psychoses [with summary in French]. Zhur.nevr. i psikh. 57 no.3:351-359 '57. (MLRA 10:6)

1. Kafedra psikhiatrii Voyenno-morskoy meditsinskoy akademii.
(PSYCHOSES, pathology,
post-infect. (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

AUTHOR: Lysikov,M.G.; Bacherikov,Ye.P. SOV-90-58-8-7/9

TITLE: The Test Results of a Soda-regenerative Water-softener (Rezul'taty ispytaniya sodoregenerativnogo vodoumyagchitelya)

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 8, pp 19 - 23 (USSR)

ABSTRACT: In the water-softener, a mixture of soda-cationized and fresh water is first passed through a cascade heater worked off live steam and in which thermal de-aeration takes place. The water is then mixed with the alkaline agents and subjected to subsequent precipitation of the scale-forming agents by the introduction of a soda solution. For the purpose of the experiments, the water-softener was first tested without additional alkalization and then with the addition of a dose of 5% calcined soda solution at 2 mg-eqv/l and with an increase in the ratio of fresh to cationized water. In the first case, a satisfactory decrease in relative alkalinity but insufficient softening was observed. In the second, greater softening took place at the expense of increased alkalinity, which would lead to scavenging of the boiler. The results are shown in Table 1. The water-softener thus lowers the relative alkalinity of the boiler water and concentrates the scale introduced by the boiler water

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through the constant scavenging action, but suffers from the defects of low sofening action and an excess of slime in the softened water. This would lead to secondary scaling-up of the heat-exchanging surfaces of the boiler. Some constructional deficiencies of the water-softener are pointed out. In conclusion, the authors support the soda-lime precipitation method carried out in small spiractors at increased temperatures followed by purification of the sofened water in small centrifugal scale-separators (hydrocyclones). This would permit practically scale-less operation by the boiler. In the editorial note to the article, it is pointed out that some of the constructional defects mentioned by the authors could be due to overloading the softener during testing, and that the lowered softening action could be caused by the exceptional acidity of the fresh water used and the lack of hydrates surplus in the softened water. There is 1 block diagram, 1 table and 1 Soviet reference.

1. Water softeners--Test methods 2. Water softeners--Test rusults

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

PACHEV, A.

"With the front-rankers."

P. 18. (Leka Promishlenost, Vol. 7, No. 6, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 58

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, A.

TECHNOLOGY

Periodical: LEKA PROMISHLENOST. Vol. 7, no. 9, 1958.

BACHEV, A. Greater variety and a high quality of goods, one of the main tasks of the local industry. p. 4

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2, February 1959, Unclass.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, G.

A speedy method for water analysis.

p. 42 (RATSIONALIZATSIIA) Vol. 7, no. 10, Oct. 1957, Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, Grigoriy Trofimovich; DEVYATKOV, V.A., red.; YAHKOVA, F.S., tekhn.red.

[Komi-Perm region in the years of Soviet power] Komi-Permiatskii okrug za gody Sovetskoi vlasti. Kudymkar, Komi-Permiatskoe knizhnoe izd-vo, 1958. 63 p. (MIRA 12:9)
(Komi-Permyak National Region--Economic conditions)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, G.T.

After 35 years. Zdorov'e 6:no.6:13 Je '60. (MIRA 13:7)

1. Zamestitel' predsedatelya Komi-Permyatskogo ispolkoma okruzhnogo Soveta deputatov trudyashchikhsya, g. Kydymkar.
(KOMI-PERMYAK NATIONAL REGION--PUBLIC HEALTH)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I. (Shuya, Ivanovskoy oblasti, ul. Sverdlova, d.22,kv.17)

Abstracts of articles received by the editors. Ort. travm. i protez. 23 no.10:79-80 O '62. (MIRA 17:10)

1. Iz khirurgicheskogo otdeleniya (zav.- zasluzhennyy vrach RSFSR V.Ye. Rodionov) Shuyskoy mezhrayonnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR T.N. Mamontova) Ivanovskoy oblasti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I. (Shuya, Ivanovskoy oblasti, ul. Sverdlova, d.32, kv.17)

Results of a blastic operation on the bone in hallux valgus. Ortop. travm. i protez. 24 no.5:58-59 My '63.

(MIRA 17:9)

1. Iz khirurgicheskogo otdeleniya (zav.- zasluzhennyy vrach RSFSR V.Ye. Rodionov) Shuyskoy mezhrayonnoy bol'nitsy Ivanovskoy oblasti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I.

Some diagnostic errors in tuberculosis of the cervical lymph nodes. Probl. tub. no.7:75-76 '63.

(MIRA 18:1)

1. Iz kostnotuberkuleznogo otdeleniya (zav. I.I. Bachev) Shuyskoy mezhrayonnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR T.N. Namontova), Ivanovskaya oblast'.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I.

Organization of emergency surgical service for the population. Sov. med. 27 no.10:102-105 O '63. (MIRA 17:6)

1. Iz khirurgicheskogo otdeleniya (zav.-zasluzhennyy vrach RSFSR ... Ye. Rod'-nov) Shuyskoy mezhrayonnoy bol'nitsy (glavnyy vrach -zasluzhennyy vrach RSFSR T.N. Mamotova) Ivanovskoy oblasti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I.

Surgical treatment of cardiac wounds under conditions of a district hospital. Sov. med. 28 no.1:101-102 Ja '65. (MIRA 18:5)

1. Khirurgicheskoye otdeleniye (zav. - I.I.Bachev) Shuyskoy tsentral'noy rayonnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR T.M.Mamontova) Ivanovskoy oblasti.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, I.I. (Shuya, Ivanovskoy oblasti, ul. Sverdlova, d. 22. kv. 17)

Some data of the development of traumatological aid in Ivanovo Province. Ortop., travm. i protez. 27 no. 1:86-88 Ja '66
(MIRA 19:1)

1. Iz khirurgicheskogo otdeleniya (zav. - I.I. Bachev) Shuyskoy tsentral'noy rayonnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR T.N. Mamontova) Ivanovskoy oblasti. Submitted June 20, 1965.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, K.I.

Result of the treatment of burns at a rural hospital. Khirurgiia no.5:67-68 My '56. (MIRA 9:9)

1. Iz khirurgicheskogo otdeleniya (zav. K.I.Bachev) sel'skoy bol'nitsy (s.Verkhniy Landekh Ivanovskoy oblasti)
(BURNS, therapy,
in rural hosp. (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, S.

PRODROMOV, A.; BACHEV, S.

Marseilles fever in Pomorie. Suvrem. med., Sofia 5 no.2:103-109 1954.

1. Iz Okoliiskata bolnitsa gr. Pomorie (gl. lekar: A.Prodromov)
(ROCKY MOUNTAIN SPOTTED FEVER,
*boutonneuse fever in Bulgaria)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BULGARIA/General Problems of Pathology - Inflammation. U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4031

Author : Bachev, S., Arnaudov, D.

Inst : Section of Biology and Medicine of the Bulgarian Academy of Sciences.

Title : On the Method of Establishment of Experimental Chronic Non-Healing Wounds

Orig Pub : Izv. Otd. biol. i med. n. B"lg. AN. Ser. eksperim. biol. i med., 1957, No 2, 57-66

Abstract : Wounds that failed to heal in the course of 5 months occurred in 70-80% of rats as a consequence of the transection and irritation of the sciatic nerve in the course of 2 weeks following the excision of a small fragment of skin in the area of the talocrural joint.

Card 1/1

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

STOIMENOV, I.; SIRAKOV, A.; BACHEV, S.; KOICHEVA, M.

Volume and structure of psychiatric ailments and morbidity in Bulgaria. Nevropsikh nevrokhir 3 no.1:7-16 '64.

1. Chair of Psychiatry at the Higher Medical Institute, Sofia (Head: Academician G. Uzunov), and Scientific Research Psychoneurological Institute (Director: Prof. G. Ganev). Submitted January 1963.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, S.

Experimental studies on the treatment of wounds with mother lye from the Pomorie Lake. Khirurgiia 15 no.4:383-391 '62.

1. Institut po spetsializatsiia i usuvurshenstvuvane na lekarite - Sofiia Katedra po farmakologiia i toksikologiia Zav. katedrata: prof. V. Petkov.

(WOUND HEALING)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, S.G.

Pomorie therapeutic mud. Suvrem. med., Sofia 10 no.1:65-71 1959.
(MUD THERAPY,
Pomorie ther. mud. (Bul))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, S.G.

Pharmacological study of a basic solution from saline Lake Pomoriye and its use in stomatology. Stomatologiia 41 no.4:22-24 Jl-Ag '62. (MIRA 15:9)

1. Iz kafedry farmakologii i toksikologii (zav. - prof. V.Petkov) Instituta spetsializatsii i usovershenstvovaniya vrachey Sofii.
(STOMATOLOGY) (POMORIYE--MATERIA MEDICA)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, TS.

Calculating the fulfillment of the Plan by quality.

P. 9, (Lika Promishlenost) Vol. 6, no. 2, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, Tsv., inzh.

Technological studies on the IAntra-2 cotton loom. Trud Inst tekstil prom 3:109-122 '62.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEV, Tsvetan, inzh., nauch. sutr.

Some notes respecting the Bryerley theory of fabric designs. Tekstilna prom 12 no.1:15-17 '63.

1. Nauchnoizsledovatelski institut po tekstilna promishlenost, Sofiia.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

POTEMKIN, K.N.; GREBNEV, S.K. Prinimali uchastiye: KIRSANOV, A.K.; BACHEVER, R.V.; IL'CHENKO, R.L.; POLESHKO, Ye.S.; KISTINA, A.I.

Quantitative determination of magnetite by a gravimetric magnetic method. Zhur. prikl. khim. 36 no.5: 981-988 My '63. (MIRA 16:8)

(Magnetite) (Magetochemistry)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

L 01082-67 EWT(m)/T/EWP(j) IJP(c) GD/RM

ACC NR: AT6031601 SOURCE CODE: UR/0000/64/000/000/0190/0194

AUTHOR: Yerofeyev, B. V.; Shlyk, V. G.; Bachevskaya, N. P.

ORG: none

29

B+1

TITLE: Similarity of the initiating action of salts of metals capable of assuming several valences, in autocatalytic oxidation and polymerization. 2. Dependence of the polymerization rate on monomer concentration in the presence of cobalt formiate or stearate

SOURCE: Geterogennyye reaktsii i reaktsionnaya sposobnost' (Heterogeneous reactions and reactivity). Minsk, Izd-vo Vysshaya shkola, 1964, 190-194

TOPIC TAGS: chemical initiation, polymerization rate, styrene, tetratin hydroperoxide, cobalt stearate

ABSTRACT: A study has been made of the dependence of the polymerization rate of styrene in benzene solutions in the presence of cobalt stearate (formiate) on the monomer concentration. The experiments were conducted in the absence of initiators, or in the presence of tetralin hydroperoxide or of the system hydroperoxide—cobalt stearate (or formiate). The polymerization rate increased with an increase in the monomer concentration, and to a certain limit with an increase in the stearate concentration. The formiate increased the polymerization rate to a lesser degree. It was shown that polymerization of styrene, in the absence of initiators, and in the presence of hydroperoxide alone is a first order reaction. In the presence of the

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L 01082-67

ACC NR: AT6031601

system hydroperoxide—stearate, polymerization was a second order reaction, proving that, in this case, styrene reacted with the stearate rather than with the hydroperoxide. Orig. art. has: 3 figures.

[BO]

SUB CODE: 07/ SUBM DATE: 12Dec64/ ORIG REF: 002/ OTH REF: 001

Card 2/2 vlr

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

SHADERKOV, P. I., inzh.; GOLIK, A. I., inzh. BACHEVSKIY, F. S., inzh.

Construction of the Central Siberia Main. Transp. stroi. 13 no.3:5-8 Mr '63. (MIRA 16:4)

(Siberia—Railroads—Construction)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEVSKIY, N. I.

Universal attachment. Mashinostroitel' no.10:23 O '62.
(MIRA 15:10)

(Drilling and boring machinery—Attachments)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEVSKIY, N.I.

Automatic cutting machines. Mashinostroitel' no.11:10 N '62. (MIRA 15:12)

(Cutting machines)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHEVSKIY, N.I.

A universal apparatus. Ratsionalizatsiia 13 no.2:26 '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

PROSKURA, I.P., kand. sel'skokhoz. nauk; BACHEVSKIY, S.A.

A valuable green fallow crop. Zemledelie 27 no.5:28-30 My '65.
(MIRA 18:6)

1. Direktor opytnogo khozyaystva "Obroshino" Nauchno-issledovatel'skogo instituta zemledeliya i zhivotnovodstva zapadnykh rayonov UkrSSR (for Bachevskiy).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

MITEL'MAN, M., brigadir; GLEBOV, B., inzh., istorik; UL'YANSKIY, A.; IVANOV, G.A., red.; KALAUSHINA, K.Ye., red.; PROTOPOPOV, M.I., red.; ROZANOV, M.D., red.; BACHILO, I., red.; VINOGRADOV, V., mladshiy red.; MOSKVINA, R., tekhn. red.

[History of the Kirov (formerly Putilov)Metallurgical and Machinery Plant in Leningrad] Istoriia Kirovskogo (byv. Putilovskogo) metallurgicheskogo i mashinostroitel'nogo zavoda v Leningrade. Moskva, Izd-vo sotsial'no-ekon. lit-ry. Vol.1. [History of the Putilov Plant 1801-1917] Istoriia Putilovskogo zavoda, 1801-1917. Izd.3. 1961. 719 p. (MIRA 15:2)

1. Leningrad. Institut istorii partii.
(Leningrad--Machinery industry)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

AFANAS'YEV, N.; SIL'NOV, V., glavnyy inzh.; BACHILOV, I.; CHERTKOV, A., glavnyy konstruktor; SOKOLOV, Ya.; KUCHINSKIY, B.; TRUKHANOVA, A., tekhred.

[Trench silos with capacities of 500, 300, 200, and 100 tons (brick and rubble concrete walls)] Silosokhranilishcha transheinogo tipa emkost'iu 500, 300, 200 i 100 tonn (steny kirpichnye i butobetonnye). Proekt no.001. Minsk, Gos.izd-vo BSSR, Red. nauchno-tekhn.lit-ry, 1955. 5 p. (MIRA 12:4)

1. White Russia. Ministerstvo gorodskogo i sel'skogo stroitel'stva. 2. Direktor "Belsel'proyekta" (for Afanas'yev). 3. Rukovoditel' masterskoy No.2 "Belsel'proyekta" (for Bachilov). 4. Ispolnyayushchiy obyazannosti nachal'nika smetnogo sektora "Belsel'proyekta" (for Sokolov). 5. "Belsel'proyekt" (for Sil'nov, Chertkov, Kuchinskiy).
(Silos)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

AFANAS'YEV, N.; SIL'NOV, V., glavnyy inzh.; BACHILOV, I.; CHERTKOV, A., glavnyy konstruktor; SOKOLOV, Ya.; KARAVAY, P., TRUKHANOVA, A., tekhred.

[Trench silo with a capacity of 1000, 700, 500, and 300 tons (brick or rubble concrete walls)] Silosokhranilishche transheinogo tipa emkost'iu 1000, 700, 500, 300 tonn (steny kirpichnye ili butobetonnye). Proekt no.002. Minsk, Gos.izd-vo BSSR, Red. nauchno-tekhn.lit-ry, 1955. 5 p. (MIRA 12:4)

1. White Russia. Ministerstvo gorodskogo i sel'skogo stroitel'stva. 2. Direktor "Belsel'proyekta" (for Afanas'yev). 3. Rukovoditel' masterskoy No.2 "Belsel'proyekta" (for Bachilov). 4. Ispolnyayushchiy obyazannosti nachal'nika smetnogo sektora "Belsel'proyekta" (for Sokolov). 5. "Belsel'proyekt" (for Sil'nov, Chertkov, Karavay).
(Silos)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHIN, A. I.

20921 Bachin, A. I. Prepodavaniye moloehnogo dela v zootekhnicheskikh vuzakh. Shornik dokladov Pervoy Vsesayuz. Konf-tsii po moloch. dele. M., 1949, s. 32-37

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

GRESHNER, S.G.; BACHIN, A.P.; IVANOV, O.D.

Basic characteristics of the geology of the Pre-Mesozoic basement in the Mugodzhar Hills. Sov. geol. 6 no.11:14-25 N '63. (MIRA 17:1)

1. Perchogurskaya ekspeditsiya Kazakhskogo geofizicheskogo tresta.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

ACC NR: AT6028379 SOURCE CODE: UR/0000/65/000/000/0142/0154

AUTHOR: Bachin, A. P.; Bekzhanov, G. R.; Brodovoy, V. V.; Gol'dshmidt, V. I.; Zhivoderov, A. B.; Zlavdinov, L. Z.; Ivanov, O. D.; Klenchin, I. N.; Kolmogorov, Yu. A.; Kotlyarov, V. M.; Kuz'min, Yu. I.; Kuminova, M. V.; Kunin, N. Ya.; Lyubetskiy, V. G.; Melent'yev, M. I.; Morozov, M. D.; Tret'yakov, V. G.; Tychkova, T. V.; Tsaregradskiy, V. A.; Eydlin, R. A.

ORG: none

TITLE: Geophysical sketch map of Kazakhstan

SOURCE: International Geological Congress. 22d, New Delhi, 1964, Geologicheskiye rezul'taty prikladnoy geofiziki (Geological results of applied geophysics); doklady sovetskikh geologov, problema 2. Moscow, Izd-vo Nedra, 1965, 142-154

TOPIC TAGS: ~~Kazakhstan~~ geophysics, map, ~~geophysical mapping~~, tectonic, ~~regional~~ regional study

ABSTRACT: On the basis of regional geophysical and geological investigations (seismic, gravimetric, magnetoelectric), a composite geophysical sketch map of the physical fields of Kazakhstan has been compiled. From this map, the major tectonic zones, deep structures, and geological structural zones are defined. Long zones representing high field gradients in the gravitational and magnetic fields reflect deep geosutures, which seismic sounding data suggest are scarps in the M-discontinuity

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ACC NR: AT6028379

Among the major structural zones of Kazakhstan defined are: 1) the Turgayskaya, 2) the Petropavlovskaya, 3) the Uspenskaya, 4) the Tokrauskaya, and 5) the Dzhalair-Naymanskaya. Regions of magmatism are also defined. In the tectonic depression zones, contour lines indicate the thickness of the sedimentary cover, overlying the folded basement, and possible oil-bearing formations. Orig. art. has: 1 figure.[DM]

SUB CODE: 08/ SUBM DATE: 06Jan65/ ATD PRESS: 5063

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

ACC NR: AR6032149 SOURCE CODE: UR/0169/66/000/006/D012/D012

AUTHOR: Brodovoy, V. V.; Bachin, A. P.

TITLE: Use of geophysical survey materials in the plotting of geological mean-scale sketch maps of the premesozoic basement of the semihidden regions of Kazakhstan

SOURCE: Ref. zh. Geofizika, Abs. 6D85

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata, Kazakhstan, 1965, 180-191

TOPIC TAGS: prospecting, mineral, map, geologic map, rock structure, rock complex, intrusion, effusion, petrographic analysis, tectonic disturbance, mineralogical analysis/Kazakhstan

ABSTRACT: Sampling of identification is given on the basis of geophysical data on a series of sectors and areas promising from the viewpoint of useful minerals. The basic principles for the use of geologic sketch maps of the premasozoic basement are as follows: 1) knowledge and consideration of information on the nature of the tectonic structure of the region; 2) identification of specific regularities and of the adaptability of typical physical fields to known geologic rock structures and com-

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plexes (intrusions, effusions, sedimentary and metamorphic complexes, lines of tectonic disturbances, etc.); 3) utilization of the most objective and up-to-date geologic map; 4) absolute necessity account for and utilization of data obtained through drilling operations; 5) knowledge and use of data concerning the physical properties of the rocks and ores of the region supported by petrographic and mineralogical analyses; 6) objectivity and substantiation of conclusions in comparing geophysical and geologic data; 7) use of materials concerning the quantitative interpretation of geophysical data. The original had four illustrations. Yu. Kaznacheyeva. [Translation of abstract]

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

PHASE I BOOK EXPLOITATION SOV/5550

Akademiya Nauk SSSR. Laboratoriya magnitnykh elementov.

Magnitnyye elementy; sbornik statey (Magnetic Elements; Collection of Articles) Moscow, 1960. 313 p. 700 copies printed.

Sponsoring Agency: Institut tochnoy mekhaniki i vychislitel'noy tekhniki Akademii nauk SSSR.

No contributors mentioned.

PURPOSE: This collection of articles is intended for specialists concerned with digital computer technique.

COVERAGE: This collection of articles contains a part of the papers issued in 1956-1959 by the Laboratoriya magnitnykh elementov Instituta tochnoy mekhaniki i vychislitel'noy tekhniki AN SSSR (Laboratory of Magnetic Elements of the Institute of Precision Mechanics and Computing Technique, AS USSR). They cover the following topics: polarity reversal of ferrite cores; static and pulse characteristics of ferrite cores with a rec-

Card 1/4

Magnetic Elements (Cont.) SOV/5550

tangular hysteresis loop and the equipment used for determining them; the operation of push-pull shift registers using ferrite diode elements; several types of storage devices; new magnetic components; transfluxors; and magnetic input drives. No personalities are mentioned. References accompany each article.

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1. Kobelev, V. V., and I. I. Nadashkevich. Concerning the Problem of the "Self-Reversal" of Magnetic Polarity of Mn-Zn and Ni-Zn Ferrites (1958) 6

2. Bardizh, V. V. Problems of Pulse Magnetic Polarity Reversal of Ferrite Cores (1958) 16

3. Bardizh, V. V., and V. V. Kobelev. Calculation of Magnetic Polarity Reversal Curves of Ferrite Cores (1958) 33

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

Magnetic Elements (Cont.) SOV/5550

4. Bardizh, V. V. Characteristics of Cores With Rectangular Hysteresis Loops (1957) 57

5. Vizun, Yu. I. Equipment for the Investigation of Magnetic-Core Properties (1957) 75

6. Kobelev, V. V. Oscillographic Installation for Taking the Hysteresis Loop of Small Ferrite Cores (1959) 96

7. Kobelev, V. V. Operational Stability of Magnetic Push-Pull Shift Registers (1956) 115

8. Berezhnoy, Ye. P. Operating Register on a Magnetostriction Delay Line (1957) 130

9. Kobelev, V. V., and Yu. I. Vizun. Magnetic Storage Device With Programming Control (1958) 163

Card 3/4

Magnetic Elements (Cont.) SOV/5550

10. Bardizh, V. V., Yu. I. Vizun, and V. V. Kobelev. Magnetic Operating Storage Device With Decoders Made up of Tape Cores (1956) 178

11. Berezhnoy, Ye. P. Magnetostriction Delay-Line Storage Device With Intermediate Code Reading (1959) 202

12. Bachin, O. V. Possibility of Using Transfluxors in Storage and Input Drive Devices (1959) 239

13. Vizun, Yu. I. Investigation of Problems Related to the Design of Magnetic Input Drive Devices 274

AVAILABLE: Library of Congress (TK7872.M4A35)

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

URAZGIL'DEYEV, A.Kh.; BACHININ, A.A.

Effect of rare-earth elements on oxygen, hydrogen, nitrogen, and sulfur content in liquid steel. Trudy LPI no.253:28-34 '65.

(MIRA 18:8)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BOL'SHAKOV, Ivan Grigor'yevich; BACHININ, G.I., red.; YERKHOVA, Ye.A., tekhn. red.

[On all continents of the world] Na vsekh kontinentakh mira. Moskva, Izd-vo IMO, 1963. 148 p. (MIRA 16:7)
(Exhibitions)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

YEGOROV, Vasiliy Vasil'yevich; BACHININ, G.I., red.; YERKHOVA, Ye.A., tekhn. red.

[Liberia after the Second World War, 1945-1962] Liberiia posle Vtoroi Mirovoi voiny; 1945-1962 gg. Moskva, Izd-vo IMO, 1963. 165 p. (MIRA 16:10)
(Liberia—Economic conditions)
(Liberia—Foreign relations)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

SHPIRT, Aleksandr Yulianovich; BACHININ, G.I., red.; YERKHOVA, Ye.A., tekhn. red.

[Economy of African countries] Ekonomika stran Afriki; kratkii ocherk. Moskva, Izd-vo IMO, 1963. 302 p. (MIRA 17:1)

(Africa--Economic conditions)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

AFANAS'YEVA, N.A.; VANYARKOV, E.B.; NIKOL'SKIY, Kh.Sh.; MEL'NIKOV, D.Ye., doktor ist. nauk, red.; BACHININ, G.I., red.; CHATSKAYA, M.G., tekhn. red.

[Ruhr Valley as the economic basis of West-German militarism] Rur - ekonomicheskaia baza zapadnogermanskogo militarizma. (MIRA 17:2)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

URAZGIL'IEYEV, A.Kh.; BACHININA, G.A.

Effect of the conditions of blowing on the degree of desulfuration of steel by the injection of powderlike materials. Trudy LPI no.253:35-40 '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

PACHINSKAYA, T. G., (Chief Veterinary Surgeon of the grain sovkhoz "Maksimovskii", Balakashinsk raion, Tselinograd oblast')

"Let us work still better".

Veterinariya, vol 39, no.1, Jan 1962. pp 10

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKAYA, T.G.

We shall work still better. Veterinariia 39 no.1:10-11 Ja '62.
(MIRA 15:2)

1. Glavnyy veterinarnyy vrach zernosovkhoza "Maksimovskiy", Balkashinskogo rayona, TSelinogradskoy oblasti.
(Veterinary medicine)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

TALUTIS, I.I.; BACHINSKAYA, V.I.

Collective of the Skidel Sugar Combine struggles for the improvement of production indices. Sakh.prom. 36 no.9:7-10 S '62. (MIRA 16:11)

1. Skidel'skiy sakharnyy kombinat.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, A.D. [Bachyns'kyi, A.D.], student istor fakul'teta;
KOVBASYUK, S.M., nauchnyy rukovoditel', dots.

History of the labor movement in Odessa in the 1870's.
Pratsi Od.un. Zbir.stud.rob. 149 no.5:9-16 '59.
(MIRA 13:4)

1. Odesskiy gosudarstvennyy universitet.
(Odessa--Labor and laboring classes)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, B.

Community Life

Work of the street committee. Zhil. -kom. khoz. 2, no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

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ONISHCHENKO, T.Ye. [Onyshchenko, T.IE.], kand.med.nauk; BACHINSKIY, D.Kh. [Bachyns'kiy, D.Kh.]

Comparative evaluation of the effectiveness of some methods of treating whooping cough. Ped., akush. i gin. 22 no.5:29-30 '60. (MIRA 15:6)

1. Kafedra infektsiynikh khvorob dityachogo viku (zav.-dotsent N.G. Stepina [Stepina, N.H.]) Odes'kogo medichnogo institutu (direktor - zasl. diyach nauki URSR prof. I.Ya. Deyneka) i Mis'ka klinichna infektsiyna likarnya (golovniy likar - L.T. Zhidovlenko [Zhydovlenko, L.T.]).

(WHOOPING COUGH)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

LATSINIK, Ye.Ya.,prof.; NOTKIN, D.L., kand.med.nauk; SLOVESNIK, R.S.; SOSNOVSKAYA, L.A.; BACHINSKIY, D.Kh.; SOTNICHENKO, L.A.; KAMINSKAYA, L.I. (Odessa)

Characteristics of the clinical course of Asian flu (A^2) in the 1959 epidemic. Klin.med. 38 no.3:59-63 Mr'60. (MIRA 16:7)

1. Iz Odesskoy gorodskoy infektsionnoy bol'nitsy Leninskogo rayona (glavnyy vrach L.T.Zhidovlenko).

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BACHINSKIY, F.I.

My experience in working on a dredge. Transp. stroi. 8 no.11:6 N '58. (MIRA 12:1)

(Dredging)

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BACHINSKIY, G.A.

Find of a modern netlike formation similar to Paleodictyon. Paleont.sbor. [Lvov] no.1:149-150 '61. (MIRA 15:9)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Mikulichin region--Geology)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, G.A. [Bachyns'kyi, H.O.]

New data on the fossilization of fossil bones. Dop. AN URSR no.10:1362-1366 '62. (MIRA 18:4)

1. Institut zoologii AN UkrSSR.

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BACHINSKIY, G.A. [Bachyns'kyi, H.O.]; DUBLYANSKIY, V.N. [Dublians'kyi, V.M.]

Paleozoologic characteristics of some deep-seated karst caves in the Crimean Mountains. Zbir. prats' Zool.muz. AN URSR no.31:43-51 '62. (MIRA 17:2)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, G.A. [Bachyns'kyi, H.O.]; CHERNOV, Yu.I.

New cave site of fossil vertebrates in the Permian Cisuralian. Dop. AN URSR no.11:1531-1533 '65.

(MIRA 19:1)

1. Institut zoologii AN UkrSSR. Submitted November 16, 1964.

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VDOVICHENKO, Dmitriy Ivanovich; BACHINKIN, G.I., red.; YEPIFANOV, M.P., red.; YERKHOVA, Ye.A., tekhn. red.

[The national bourgeoisie of Turkey] Natsional'naia burzhuaziia Turtsii. Moskva, In-t mezhdunarodnykh otnoshenii, 1962. 265 p. (MIRA 16:4)

(Turkey--Economic policy)
(Turkey--Politics and government)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, G. P.

"Investigation of Exhausted Peat Beds," Torf. prom., 29, No.8, 1952

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, G.V.

Polish and Chinese guests of the Kursk sugar workers. Sakh. prom. 31 no.2:76 F '57. (MLRA 10:4)
(Kursk--Sugar industry)

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1. BACHINSKIY, N. M.

2. USSR (600)

4. Building Materials - Turkmenistan

7. Utilization of local construction materials in Turkmenistan. Vest. AN SSSR 22 no. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, N. M.

30-1-39/39

AUTHORS: Bachinskiy, N. M., Doctor of Art,
Khmel'nitskiy, S. G., Architect.

TITLE: A Book on the Art of the Tadzhik People (Kniga ob iskusstve tadzhikskogo naroda).

PERIODICAL: Vestnik AN SSSR, 1958, Vol. 28, Nr 1, pp. 143-145 (USSR).

ABSTRACT: This book is a reference work published by the Institute for History, Archeology, and Ethnography AS Tadzhik SSR.
The authors of this article, Doctor N. M. Bachinskiy and S. G. Khmel'nitskiy, reviewed the above book thoroughly.
There is 1 Slavic reference.

AVAILABLE: Library of Congress.

1. Art-USSR

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, P.P.

Effect of physical exercise on the vitamin C and B_1 supply during the spring. Vop.pit. 18 no.4:53-56 Jl-Ag '59. (MIRA 12:10)

1. Iz kafedry obshchey khimii i biokhimii (zav. - chlen-korrespondent AN USSR prof.R.V.Chagovets) Instituta fizicheskoy kul'tury i iz kafedry biokhimii (zav. - prof.Ye.F.Shamray) Kiyevskogo meditsinskogo instituta.

(EXERCISE, eff.
on vitamin B1 & C requirement during spring (Rus))
(VITAMIN B1, metab.
eff. of exercise during spring (Rus))
(VITAMIN C, metab.
same)
(WEATHER,
eff. of exercise on vitamin B1 & C metab. during spring (Rus))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, P.P. [Bachyns'kyi, P.P.]; LEVINA, L.Sh.

Changes in ascorbic acid and thiamine requirements during physical exercise. Ukr.biokhim.zhur. 31 no.2:253-262 (MIRA 12:6)

1. Department of General Chemistry and Biochemistry of the Kiyev Institute of Physical Culture and the Department of Biochemistry of the Kiyev Medical Institute.
(EXERCISE) (ASCORBIC ACID) (THIAMINE)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, P. P., Cand Med Sci -- (diss) "Chemical interaction and functional inter-relationship of ascorbic acid and thiamin." Kiev, 1960. 19 pp; (Kiev Order of Labor Red Banner Medical Inst im Academician A. A. Bogomol'tsa); 250 copies; price not given; (KL, 27-60, 159)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

GRIGOROV, Yu.G.; BACHINSKIY, P.P.

Interrelation of some vitamins and their correlation with other metabolic processes in organism. Nek.filos.vop.med.i est. no.2:363-379 '60. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya Kiyevskogo meditsinskogo instituta imeni Bogomol'tsa (for Grigorov). 2. Kafedra biokhimii Kiyevskogo meditsinskogo instituta imeni Bogomol'tsa (for Bachinskiy).
(METABOLISM) (VITAMINS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

SHAMRAY, Ye.F. [Shamrai, IE.F.]; BISIKALOVA, N.A. [Bisikalova, N.O.]; BACHINSKIY, P.P. [Bachyns'kyi, P.P.]

Chemical interaction between ascorbic acid and thiamine-bromide in aqueous solutions. Ukr. biokhim. zhur. 33 no.4:530-536 '61. (MIRA 15:6)

1. Department of Biochemistry of Kiev Medical Institute.
(ASCORBIC ACID)
(THIAMINE)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102920012-4

BACHINSKIY, V. P.

"Dehelminthization of hens infested with ascarides of the pre-imago stage."

Veterinariya, Vol. 38, No. 5, 1961

Bachinskiy, V. P. - Postgraduate Student, Moscow Veterinary Academy

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